

Paper I — FUNDAMENTALS OF COMPUTERS

Time : Three hours

Maximum : 100 marks

PART A — (20 × 2 = 40 marks)

Answer ALL the questions.

1. Define the term : Computer.
2. What is an Algorithm?
3. What are Mainframe computers?
4. Define : Hybrid computers.
5. How to Represent Fractions in computers?
6. What is Hexadecimal Number system?
7. Determine the decimal equivalent of $(10010)_2$.
8. What are the advantages of High level languages?
9. List the functions of a processor.
10. Write a note on : Primary Memory.
11. What is meant by Megabyte?

12. What are Impact Printers?

13. Define : System software.

14. Define : An Operating system.

15. List the main functions of OS.

16. Define : Batch processing OS.

17. What is Simplex Transmission Mode?

18. List the advantages of Ring Topology.

19. What is LAN?

20. What are Protocols?

PART B — (5 × 12 = 60 marks)

Answer ALL the questions.

21. (a) Explain the characteristics of computers.

Or

(b) Write short notes on : Computing Methods.

22. (a) Explain about Conversion from Hexadecimal Number to Binary Number and Vice versa, using examples.

Or

(b) Compare and contrast, Assembly level languages with High level languages.

23. (a) Explain about any TWO Input Devices of a computer.

Or

(b) Write short notes on : CD ROM.

24. (a) Write short notes on : Unix OS.

Or

(b) Discuss about classification of operating systems.

25. (a) Explain about various Communication Media.

Or

(b) Write short notes on : TCP/IP.

COBOL AND DATA PROCESSING

Time : Three hours

Maximum : 100 marks

PART A — (20 × 2 = 40 marks)**Answer ALL questions.**

1. Specify the Cobol character set.
2. Define variable in Cobol.
3. What is a literal?
4. What is meant by EDP?
5. Write down the meaning of the A and V picture characters.
6. State the edit characters for numeric data.
7. Write the form of MOVE verb.
8. State the catagories of Cobol statements.
9. Specify any two general forms of internal representation.

